

1 **ABSTRACT**

2 A methods and systems for capacity planning of server resources are  
3 described wherein a load simulation tool is used to use actual data gathered from a  
4 server cluster during operation to simulate server cluster operation in which the  
5 load (requests per second) can be increased, and the effects on the utilization of  
6 resources can be observed. Plans containing recommendations are then presented  
7 to a system user so the user can make decisions necessary regarding whether to  
8 change configuration hardware to meet expected load increases in the future.